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AMENDMENTS TO THE CLAIMS:

 (Currently amended) In a fuel cell system comprising a reformer to produce hydrogen containing gas for use in a fuel cell stack, the improvement comprising:

feeding to the reformer, at start-up, an a water-in-oil-in-water cmulsion composition comprising,

- A at least 40 wt% of hydrocarbon,
- B from 30 to 60 wt% of water, and
- C from 0.01 to 5 wt% of a surfactant mixture comprising at least one surfactant from each of two types of surfactants, one type of surfactant comprising surfactants selected from the group consisting of alkyoxylated alkyl alcohols, alkoxylated alkyl monoesters and alkoxylated alkyl diesters and the other type of surfactant comprising surfactants selected from ethoxylated alkyl amides, said alkoxylated alkyl alcohols represented by the formula,

$$R-(CH_2)_0-O-(M-O)_m-H;$$

said alkoxylated alkyl monoesters represented by the formula,

$$R-(CH_2)_n-CO-O-(M-O)_m-H$$

said alkoxylated alkyl diesters represented by the formula,

$$R-(CH_2)_n-CO-O-(M-O)_m-CO-(CH_2)_n-R$$

where R is a methyl group, n is an integer from about 5 to 17, m is an integer from about 2 to 50,

M is CH₂-CH₂, CH₂-CH₂-CH₂, CH₂-CH-CH₃
CH₂-CH₂-CH₂, CH₂-CH-(CH₃)-CH₂ or mixtures thereof, and

said alkyl cthoxylated alkyl amides represented by the general formula,

where R' is a methyl group, z is an integer 5 to 20 and x+y is 2 to 50.

where A, B and C are mixed at an energy in the range of 0.15×10^{-5} to 0.15×10^{-3} kW/liter of fluid to form a water-in-oil-in-water emulsion.

- 2. (Currently Amended) The improvement of claim 1 wherein the emulsion further comprises up to 20 wt% alcohol based on the total weight of the said emulsion wherein said alcohol is selected form from the group consisting of methanol, ethanol, n-propanol, iso-propanol, n-butanol, sec-butyl alcohol, tertiary butyl alcohol, n-pentanol, ethylene glycol, propylene glycol, butyleneglycol and mixtures thereof.
- 3. (Original) The improvement of claim 1 wherein said hydrocarbon is in the boiling range of -1°C to 260°C.
- 4. (Currently Amended) The improvement of claim 1 wherein said water is substantially free of salts of halides, sulfates and carbonates of Group I and Group II elements of the long form from of The Periodic Table of Elements.

5. (Cancelled)

6. (Currently Amended) The improvement of claim 1 wherein said alkoxylated alkyl alcohols, alkoxylated alkyl monoesters, alkoxylated alkyl diesters and ethoxylated alkyl amide surfactants thermally decompose at temperatures in the range of about 250°C to about 700°C.

- 7. (Original) The improvement of claim 1 wherein said alkoxylated alkyl alcohols, alkoxylated alkyl monoesters, alkoxylated alkyl diesters the alkoxylated group is an ethoxylated group.
- 8. (Currently amended) A method to prepare a complex <u>water-in-oil-in-water-in-oil</u> emulsion comprising mixing at mixing energy in the range of 0.15×10^{-5} to 0.15×10^{-3} kW/liter of fluid,
 - at least 40 wt% of hydrocarbon,
 - from 30 to 60 wt% of water, and
- from 0.01 to 5 wt% of a surfactant mixture comprising at least one surfactant from each of two types of surfactants, one type of surfactant comprising surfactants selected from the group consisting of alkoxylated alkyl alcohols, alkoxylated alkyl monoesters and alkoxylated alkyl diesters and the other type of surfactant comprising surfactants selected form ethoxylated alkyl amide,

said alkoxylated alkyl alcohols represented by the formula,

$$R-(CH_2)_n-O-(M-O)_m-H;$$

said alkoxylated alkyl monoesters represented by the formula,

$$R-(CH_2)_n-CO-O-(M-O)_m-H$$

said alkoxylated alkyl diesters represented by the formula,

$$R-(CH_2)_n-CO-O-(M-O)_m-CO-(CH_2)_n-R$$

where R is a methyl group, n is an integer from about 5 to 17, m is an integer from about 2 to 50,

M is CH₂-CH₂, CH₂-CH₂ CH₂, CH₂-CH-CH₃

CH₂-CH₂-CH₂-CH₂, CH₂-CH-(CH₃)-CH₂ or mixtures thereof, and said ethoxylated alkyl amide represented by the general formula

where R' is a methyl group, z is an integer from about 5 to 20, the x+y is 2 to 50.

- 9. (Original) The method of claim 8 wherein mixing is conducted by an inline mixer, static paddle mixer, sonicator or combinations thereof.
- 10. (Original) The method of claim 8 wherein said mixing is conducted for a time period in the range of 1 second to about 15 minutes.
- 11. (Currently Amended) A complex oil-in-water-in-oil-in-water emulsion comprising:
- \underline{A} at least 40wt% of hydrocarbon,
- B from 30 to 60wt% of water, and
- C from 0.01 to 5 wt% of a surfactant mixture comprising at least one surfactant from each of two types of surfactants, one type of surfactant comprising surfactants selected from the group consisting of alkoxylated alkyl alcohols, alkoxylated alkyl monoesters and alkoxylated alkyl diesters and the other type of surfactant comprising surfactants selected from ethoxylated alkyl amides, said alkoxylated alkyl alcohols represented by the formula,

 $R-(CH_2)_n-O-(M-O)_m-H;$

said alkoxylated alkyl monoesters represented by the formula,

$$R-(CH_2)_n-CO-O-(M-O)_m-H$$

said alkoxylated alkyl diesters represented by the formula,

$$R-(CH_2)_n-CO-(M-O)_m-CO-(CH_2)_n-R$$

where R is a methyl group, n is an integer from about 5 to 17, m is an integer from about 2 to 50, M is CH₂-CH₂, CH₂-CH₂-CH₂, CH₂-CH

where A, B and C are mixed at an energy in the range of 0.15 x 10⁻⁵ to 0.15 x 10⁻³ kW/liter of fluid to form a water-in-oil-in-water emulsion.

- 12. (Original) The complex water-in-oil-in-water emulsion of claim 11 further comprising up to 20 wt% alcohol based on the total weight of the said emulsion wherein said alcohol is selected from the group consisting of methanol, ethanol, n-propanol, iso-proponal, n-butanol, sec-butyl alcohol, tertiary butyl alcohol, n-pentanol, ethylene glycol, propylene glycol, butyleneglycol and mixtures thereof.
- 13. (Original) The composition of clam 11 wherein said alkoxylated alkyl alcohols, alkoxylated alkyl monoesters and alkoxylated alkyl diesters the alkoxylated group is an ethoxylated group.
- 14. (Original) The complex water-in-oil-in-water emulsion of claim 11 wherein said emulsion has conductivity in the range of 20 to 40 mhos at 25°C.

15. (Original) The complex water-in-oil-in-water emulsion of claim 11 wherein said emulsion is stable to freeze thaw cycles in the temperature range of -54°C to +50°C.